

**Key Control Data Sheet**

Procedure Number: RSK-PRO-KCD-199

Scope of Application: Ok Tedi Mining Limited

Issued: *Dec, 2017*

Document Owner: Manager – OHS & Training

**Why is the Control Important** – Use of appropriate tipping arrangements including provision of flat, level stable ground for conduct of tipping operations, having the operator positioned at the rear of load at sufficient distance, and with operators trained in operation of the tipping vehicle are critical to preventing injuries to personnel from vehicles tipping over, or material spilling from the tipping body as loads are raised.

**Exemption** – This procedure does not apply to tipping operations conducted within the mine permit area or for fixed tipping installations such as tilt frames not mounted to a vehicle.

**Operational Requirements**

## Performance Metrics

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| --- | --- |
| Tipping operations conducted on stable, firm level ground. | Operators trained in conducting tipping vehicle operations. With tipping vehicle operated within technical capabilities and limitations of the vehicle for the load/ weight distribution. |
| Tipping not permitted in the open during adverse weather e.g. high cross winds that can lead to instability of raised tipping body. | Driver in a safe position e.g. at the rear of load at sufficient distance to be clear of any material spills from tipping body and monitoring the discharge. No personnel standing beside a raised tipping body. |

## Utilisation

When conducting tipping vehicle operations to discharge material from a raised tipping body.

## Safety Critical Defeat Requirements

No defeats allowed.

## Testing & Verification

Driver training and licensing must be audited as part of the annual auditing cycle.

## Maintenance

Areas where tipping operations conducted are maintained to keep them firm and stable.

## Training & Competency

Competency based training modules must be provided for personnel (field operators, contractors) who routinely conduct tipping operations covering requirements for:

* Identification of site hazards associated with tipping vehicle operations
* Planning and preparing for tipping operations
* Conducting tipping vehicle pre-operational checks
* Assessing weight and distribution of load for type of material and size of vehicle to ensure it is within vehicle capacity
* Safety and security of load, including load cover requirements
* Tipping vehicle operational techniques.

**Task Requirements**

The following are the key day to day requirements operators/maintainers and supervisors must follow to ensure the control is being used correctly.

## Task Requirements

|  |  |  |
| --- | --- | --- |
| No. | Supervisor | Operator/Maintainer |
| 1 | Provide and maintain firm, level, stable ground for conduct of tipping operations. | Apply brakes and set wheel chocks on tipping vehicle. |
| 2 | Verify that any person required to conduct tipping operations is trained and assessed competent in conduct of those operations. | Monitor discharge from safe position. Do not stand beside a raised tipping body. |
| 3 | Direct tipping operations to cease in adverse weather conditions if there is a risk to stability of raised tipping body (e.g. high cross winds). | Unload tipping body in several stages. Do not completely raise the tipping body when full. Raise tipping hoist to highest level in several steps. |
| 4 |  | Operate tipping vehicle within technical capabilities and limitations of the vehicle for the load/ weight distribution. |
| 5 |  | Never drive a vehicle with the tipping body raised. Lower the tipping body completely after discharge confirmed as complete before driving away. |
| 6 |  | Stop tipping operations in adverse weather conditions if there is a risk to stability of raised tipping body (e.g. high cross winds). Lower tipping body. |
| 7 |  | Maintain tipping equipment fit for purpose as per manufacturers’ recommendation. |
| 8 |  | Stop work if personnel enter exclusion zone under suspended load. |

## Skills Requirements

Licence to operate vehicle, as required by local regulations.

## Permits

No additional requirements.

## Task Specific PPE Requirements

No additional requirements.

## Special Task Related Tooling

Wheel chocks.

**Design Requirements**

## Design Standard

Tipping body is designed with discharge flow controls on the tipping body operated from a position clear of the line of fire of material spills at the side at the rear by either manual lever, pneumatics or hydraulics.

Equipment is designed with material receiving system operator control stations located clear of the line of fire of material spills.

## Safety Parameters

Not applicable.

## Design Life

Not applicable.

## Safe Separation

Not applicable.

## Special Requirements

No additional requirements.